



DEPARTMENT OF REGULATORY AND ECONOMIC RESOURCES (RER)
BOARD AND CODE ADMINISTRATION DIVISION
NOTICE OF ACCEPTANCE (NOA)

Republic Doors and Frame, Inc.
155 Republic Drive
McKenzie, TN 38201

SCOPE:

This NOA is being issued under the applicable rules and regulations governing the use of construction materials. The documentation submitted has been reviewed and accepted by Miami-Dade County RER -Product Control Section to be used in Miami Dade County and other areas where allowed by the Authority Having Jurisdiction (AHJ).

This NOA shall not be valid after the expiration date stated below. The Miami-Dade County Product Control Section (In Miami Dade County) and/or the AHJ (in areas other than Miami Dade County) reserve the right to have this product or material tested for quality assurance purposes. If this product or material fails to perform in the accepted manner, the manufacturer will incur the expense of such testing and the AHJ may immediately revoke, modify, or suspend the use of such product or material within their jurisdiction. RER reserves the right to revoke this acceptance, if it is determined by Miami-Dade County Product Control Section that this product or material fails to meet the requirements of the applicable building code.

This product is approved as described herein, and has been designed to comply with the Florida Building Code, including the High Velocity Hurricane Zone.

DESCRIPTION: Series "DL416" Outswing glazed Steel 16 ga Doors w/ 16 ga Frames-Impact

APPROVAL DOCUMENT: Drawing No. **RDF-006 REV A**, titled "DL416 Glazed Steel Outswing Door", sheets 1 through 9 of 9, prepared by Building Drops, Inc., dated 08/07/10 and last revised on 09-20-12, signed and sealed by Hermes F. Norero, P. E., bearing the Miami-Dade County Product Control Revision stamp with the Notice of Acceptance number and expiration date by the Miami-Dade County Product Control Section.

MISSILE IMPACT RATING: Large and Small Missile Impact Resistant

Limitations:

1. Existing construction: Bldg official to verify the existing frame meeting the frame material (sheet 1) and frame anchor installation thru pipe or channel and additional anchor per detail "W" per sheet 5 of this approval.
2. Installation of glass kit by Air Louver requires door cut out to be reinforced with welded 12 ga(.101")x1.66"x.62" steel channel around full perimeter per reinforcement and glazing details per sheet 8 of this approval
3. Full length 14 ga reinforcement at door header is required. Refer to Bill of materials and cross-sections for additional reinforcements at lock stiles, hinge stiles and jambs.

LABELING: Each unit shall bear a permanent label with the manufacturer's name or logo, city, state and series and following statement: "Miami-Dade County Product Control Approved", noted herein.

RENEWAL of this NOA shall be considered after a renewal application has been filed and there has been no change in the applicable building code negatively affecting the performance of this product.

TERMINATION of this NOA will occur after the expiration date or if there has been a revision or change in the materials, use, and/or manufacture of the product or process. Misuse of this NOA as an endorsement of any product, for sales, advertising or any other purposes shall automatically terminate this NOA. Failure to comply with any section of this NOA shall be cause for termination and removal of NOA.

ADVERTISEMENT: The NOA number preceded by the words Miami-Dade County, Florida, and followed by the expiration date may be displayed in advertising literature. If any portion of the NOA is displayed, then it shall be done in its entirety.

INSPECTION: A copy of this entire NOA shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at the request of the Building Official.

This NOA **revises NOA # 10-1115.02 (Former Winsor Republic Door Inc.)** and consists of this page 1 and evidence pages E-1, as well as approval document mentioned above.

The submitted documentation was reviewed by **Ishaq I. Chanda, P.E.**



NOA No. 12-0604.14
Expiration Date: August 11, 2016
Approval Date: September 27, 2012
Page 1

9/28/12

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

A. DRAWINGS

1. Manufacturer's die drawings and sections (submitted under file # **10-1115.02**)
2. Drawing No. **RDF-006 REV A**, titled "DL416 Glazed Steel Outswing Door", sheets 1 through 9 of 9, prepared by Building Drops, Inc., dated 08/07/10 and last revised on 09-20-12, signed and sealed by Hermes F. Norero, P.E. Note: This revision consists of FBC 2010 & name change notes only.

B. TESTS (submitted under file # 10-1115.02)

1. Test reports on:
 - 1) Air Infiltration Test, per FBC, TAS 202-94
 - 2) Uniform Static Air Pressure Test, Loading per FBC TAS 202-94
 - 3) Water Resistance Test per FBC TAS 202-94 (Not Performed).
 - 4) Large Missile Impact Test per FBC, TAS 201-94
 - 5) Cyclic Wind Pressure Loading per FBC, TAS 203-94
 - 6) Forced Entry Test, per FBC 2411 3.2.1, TAS 202-94

Along with marked-up drawings and installation diagram of Double Outswing glazed Commercial Steel Doors, prepared by Intertek ETL SEMKO, Test Report No. **3105359**, dated January 12, 2007, signed and sealed by Rick Curkeet, P. E.

Note: This test report has been revised by an addendum letter dated March 04, 2011, issued by Intertek, signed and sealed by Rick Curkeet, P.E.

C. CALCULATIONS

1. Anchor verification calculations, complying with FBC-2010 dated 05-25-12, prepared by Building Drops, Inc., signed and sealed by Hermes F. Norero, P.E.
2. Anchor calculations, dated 04/05/11, 05/13/11 and last revised on 07/08/2011, prepared by CertWorks Inc., signed and sealed by Alexis Spyrou, P.E. (submitted under file # **10-1115.02**)
3. Glazing complies w/ ASTM E-1300-02 & -04.

D. QUALITY ASSURANCE

1. Miami Dade Department of Regulatory and Economic Resources (RER).

E. MATERIAL CERTIFICATIONS


1. Tensile test report prepared by Intertek ETL SEMKO., Test Report No. **3105359**, dated January 12, 2007, signed and sealed by Rick Curkeet, P. E.
2. Notice of Acceptance No. **08-118.07** issued to Old Castle Glass, Inc. for the "**StormGlass interlayer**", expiring on 12/11/2013.

F. STATEMENTS

1. Statesman letter of conformance to FBC 2010 and "No financial interest", dated 03/28/12, signed and sealed by Hermes F. Norero, P. E.
2. Statesman letter of conformance to FBC 2007 and "No financial interest", dated 03/24/11, signed and sealed by Alexis Spyrou, P. E. (submitted under file # **10-1115.02**)
3. Lab compliance as part of the above referenced test reports.
4. Statement of Name change, dated July 25, 2012 by Republic Doors & Frames, signed by Steven Hugueley, Senior Engineer Republic Doors.
5. Amendment of Article # **201124900304**, dated 09/02/11 issued by State of Ohio to Republic Doors & Frame, Inc., signed by John Husted, Ohio secretary of State.
6. Amendment of Article # **2000422000488**, dated 01/13/04 issued by State of Ohio to Winsor Republic Door Inc., signed by J. Kenneth Blackwell, Ohio secretary of State.

G. OTHER

1. This NOA **revises** NOA # **10-1115.02 (Former Winsor Republic)**, expiring on AUG 11, 2016.
2. Air Louvers, model VLFIG-HRC technical brochures


Ishaq I. Chanda, P.E.
Product Control Examiner
NOA No. 12-0604.14
Expiration Date: August 11, 2016
Approval Date: September 27, 2012

REPUBLIC DOORS AND FRAMES
DL416 GLAZED OUTSWING STEEL DOOR

Republic
doors · frames

155 REPUBLIC DRIVE
MCKENZIE, TN 38201
PH: (800) 799-3667 FX: (731) 352-2556

INSTALLATION NOTES:

- ONE (1) INSTALLATION ANCHOR IS REQUIRED AT EACH ANCHOR LOCATION SHOWN, UNLESS OTHERWISE STATED.
- THE NUMBER OF INSTALLATION ANCHORS DEPICTED IS THE MINIMUM NUMBER OF ANCHORS TO BE USED FOR PRODUCT INSTALLATION.
- INSTALL INDIVIDUAL INSTALLATION ANCHORS WITHIN A TOLERANCE OF ±1/16 INCH OF THE DEPICTED LOCATION IN THE ANCHOR LAYOUT DETAIL (I.E., WITHOUT CONSIDERATION OF TOLERANCES). TOLERANCES ARE NOT CUMULATIVE FROM ONE INSTALLATION ANCHOR TO THE NEXT.
- FOR INSTALLATION INFORMATION AND ANCHOR LAYOUTS ON JAMBS AND SILL, REFER TO SHEET 5.
- MINIMUM EMBEDMENT AND EDGE DISTANCE EXCLUDE WALL FINISHES, INCLUDING BUT NOT LIMITED TO STUCCO, FOAM, BRICK VENEER, AND SIDING.
- INSTALLATION ANCHORS AND ASSOCIATED HARDWARE MUST BE MADE OF CORROSION RESISTANT MATERIAL OR HAVE A CORROSION RESISTANT COATING.
- FOR GROUT FILLED BLOCK, DO NOT INSTALL INSTALLATION ANCHORS INTO MORTAR JOINTS. EDGE DISTANCE IS MEASURED FROM FREE EDGE OF BLOCK OR EDGE OF MORTAR JOINT INTO FACE SHELL OF BLOCK.
- INSTALLATION ANCHORS SHALL BE INSTALLED IN ACCORDANCE WITH ANCHOR MANUFACTURER'S INSTALLATION INSTRUCTIONS, AND ANCHORS SHALL NOT BE USED IN SUBSTRATES WITH STRENGTHS LESS THAN THE MINIMUM STRENGTH SPECIFIED BY THE ANCHOR MANUFACTURER.
- INSTALLATION ANCHOR CAPACITIES FOR PRODUCTS HEREIN ARE BASED ON SUBSTRATE MATERIALS WITH THE FOLLOWING PROPERTIES:
 - WOOD - MINIMUM SPECIFIC GRAVITY OF 0.55.
 - CONCRETE - MINIMUM COMPRESSIVE STRENGTH OF 2700 PSI.
 - GROUT-FILLED CMU - UNIT STRENGTH CONFORMS TO ASTM C-90 & GROUT CONFORMS TO ASTM C 476. GROUT SHALL HAVE MINIMUM COMPRESSIVE STRENGTH OF 2000 PSI. SEE FBC SECTION 2105.2.2.1.2 (3) FOR GROUTED MASONRY REQUIREMENTS.

GENERAL NOTES:

- THE PRODUCT SHOWN HEREIN IS DESIGNED AND MANUFACTURED TO COMPLY WITH THE 2010 FLORIDA BUILDING CODE, INCLUDING HVHZ.
 - TAS 201-94
 - TAS 202-94
 - TAS 203-94
- ADEQUACY OF THE EXISTING STRUCTURAL CONCRETE/MASONRY, 2X AND STEEL STUD FRAMING AS A MAIN WIND FORCE RESISTING SYSTEM CAPABLE OF WITHSTANDING AND TRANSFERRING APPLIED PRODUCT LOADS TO THE FOUNDATION IS THE RESPONSIBILITY OF THE ENGINEER OR ARCHITECT OF RECORD FOR THE PROJECT OF INSTALLATION.
- 2X BUCKS (WHEN USED) SHALL BE DESIGNED AND ANCHORED TO PROPERLY TRANSFER ALL LOADS TO THE STRUCTURE. BUCK DESIGN AND INSTALLATION IS THE RESPONSIBILITY OF THE ENGINEER OR ARCHITECT OF RECORD FOR THE PROJECT OF INSTALLATION.
- THE INSTALLATION DETAILS DESCRIBED HEREIN ARE GENERIC AND MAY NOT REFLECT ACTUAL CONDITIONS FOR A SPECIFIC SITE. IF SITE CONDITIONS CAUSE INSTALLATION TO DEVIATE FROM THE REQUIREMENTS DETAILED HEREIN, A LICENSED ENGINEER OR ARCHITECT SHALL PREPARE SITE SPECIFIC DOCUMENTS FOR USE WITH THIS DOCUMENT IN NON-HVHZ AREA. IN HVHZ AREA, ONE TIME PRODUCT APPROVAL TO BE OBTAINED FROM MIAMI-DADE PERA OR AUTHORITY HAVING JURSDICTION (AHJ).
- APPROVED IMPACT PROTECTIVE SYSTEM IS NOT REQUIRED TO PROTECT THIS PRODUCT IN AREAS REQUIRING IMPACT RESISTANCE.
- DOOR & FRAME MATERIAL: STEEL 16 GAUGE (0.053") MIN. FY MIN. = 50.09 KSI
- DESIGNATION "X" STANDS FOR THE FOLLOWING:
 - X: OPERABLE PANEL
- GLASS MEETS THE REQUIREMENTS OF ASTM E 1300-04 GLASS CHARTS. SEE SHEET 8 FOR GLAZING DETAILS.
- STEEL COMPONENTS SHALL BE COATED OR PROVIDED WITH CORROSION RESISTANCE PROTECTION IN CONFORMANCE WITH THE MATERIAL PROTECTION PROVISIONS OF FBC SECTION 2220.

STEEL DOOR CONSTRUCTION:

THE OVERALL PANEL THICKNESS IS 1 3/4 INCH THICK. THE DOOR PANEL HINGE AND LOCK CHANNELS ARE 1.677" X 0.62" X 82.875" INCH LONG AND ARE CONSTRUCTED FROM 16 GAUGE (0.053") COLD-ROLLED STEEL. THE DOOR TOP AND BOTTOM END CHANNELS ARE 1.677" X 0.62" X 35.563" WIDE AND ARE CONSTRUCTED FROM 16 GAUGE COLD-ROLLED STEEL. THE DOOR SKINS / FACE SHEETS ARE CONSTRUCTED OF 16 GAUGE (0.053") COLD-ROLLED STEEL AND ATTACHED TO THE END, HINGE AND LOCK CHANNELS. THE DOOR CORE IS CONSTRUCTED OF TYPE 99-0-3/4 KRAFT PAPER HONEYCOMB CORE AND ATTACHED TO THE FACES WITH GLUE. THE DOOR HINGE REINFORCEMENTS ARE 1.375" X 4.5" AND ARE CONSTRUCTED FROM 9 GAUGE (0.132") COLD-ROLLED STEEL. THE MORTISE DOOR LOCK REINFORCEMENTS ARE 1.677" X 5.313" X 14" AND ARE CONSTRUCTED FROM 14 GAUGE (0.067") COLD-ROLLED STEEL. THE CONTINUOUS DOOR HARDWARE REINFORCEMENTS ARE 1.677" X 6" X 73" AND ARE CONSTRUCTED FROM 12 GAUGE COLD-ROLLED STEEL. THE DOOR EXIT DEVICE REINFORCEMENTS ARE 1.677" X 5.313" X 14" AND ARE CONSTRUCTED FROM 14 GAUGE (0.067") COLD-ROLLED STEEL. THE DOOR CLOSER REINFORCEMENTS ARE 1.677" X 6" X 18" AND ARE CONSTRUCTED FROM 12 GAUGE (0.101") COLD-ROLLED STEEL. THE DOOR INACTIVE LEAF ASTRAGAL IS 1.70" X 83.125" AND IS CONSTRUCTED FROM 14 GAUGE (0.067") COLD-ROLLED STEEL. THE DOOR DEAD LOCK REINFORCEMENTS ARE 3" X 3" AND ARE CONSTRUCTED FROM 16 GAUGE (0.053") FORMED STEEL. THE DOOR CYLINDRICAL LOCK REINFORCEMENTS ARE 3" X 2.5" AND ARE CONSTRUCTED FROM 16 GAUGE (0.053") FORMED STEEL. THE DOOR SURFACE BOLTS ARE ROCKWOOD 585 SURFACE BOLTS LOCATED AT THE TOP AND BOTTOM MEETING EDGE CORNER OF THE INACTIVE LEAF. THE DOOR CUT-OUT REINFORCEMENTS RUN THE PERIMETER OF THE DOOR CUT-OUT AND ARE 1.677" X 0.62" AND ARE CONSTRUCTED FROM 12 GAUGE (0.101") COLD-ROLLED STEEL TACK WELDED EVERY 8" TO DOOR SKIN.

FRAME CONSTRUCTION:

THE DOOR FRAMES ARE CONSTRUCTED FROM 16 GAUGE (0.053") COLD-ROLLED STEEL. THE CORNERS ARE MITERED KNOCK DOWN MECHANICALLY FASTENED. THE DOOR FRAME SECTIONS ARE T-SHAPED. THE DOOR FRAME CORNER REINFORCEMENTS ARE KNOCK DOWN WITH CORNER KEY. THE DOOR FRAME HINGES ARE PBB 4.5" X 4.5" X 0.134" FULL MORTISE BUTT-TYPE STANDARD WEIGHT HINGES. THE DOOR FRAME HINGE REINFORCEMENTS ARE 7.50" X 1.625" AND ARE CONSTRUCTED OF 9 GAUGE (0.132") COLD/HOT-ROLLED STEEL. THE DOOR FRAME HEADER SLEEVE REINFORCEMENTS ARE 5.6875" X 72" AND ARE CONSTRUCTED OF 14 GAUGE (0.067") FORMED STEEL. THE DOOR FRAME BASE ANCHORS ARE 1.875" X 1.875" AND ARE CONSTRUCTED OF 16 GAUGE (0.053") FORMED STEEL.

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SHEET	REVISION	SHEET DESCRIPTION
1	A	INSTALLATION & GENERAL NOTES
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3	A	CYLINDRICAL W/ DEADLOCK ELEVATIONS & DETAILS
4	A	MORTISE LOCK ELEVATIONS & DETAILS
5	A	ANCHOR LAYOUT
6	A	VERTICAL SECTIONS
7	A	HORIZONTAL SECTIONS
8	A	CORNER ASSEMBLY, GLAZING DETAIL, & COMPONENTS
9	A	BILL OF MATERIALS & COMPONENTS

DESIGN PRESSURE RATING FOR FLUSH DOOR ASSEMBLY		
DESIGN PRESSURE ALL SIZES		MISSILE IMPACT RATING
+75/-75 PSF *	WITHOUT WATER INFILTRATION	LARGE & SMALL MISSILE IMPACT RATED

*UNIT SHALL BE INSTALLED AT LOCATION PROTECTED BY OVERHANG SUCH THE OVERHANG RATIO (OH) = OH LENGTH/OH HEIGHT GREATER THAN 1.0 WHERE WATER INFILTRATION IS REQUIRED.

REVISIONS

TITLE: DL416 GLAZED STEEL OUTSWING DOOR		INSTALLATION & GENERAL NOTES	
NO.	DESCRIPTION	BY	DATE
A	2010 FBC UPDATES	MS	03.28.12


PREPARED BY: BUILDING DROPS, INC.
127 W. FAIRBANKS AVE., STE. 438
WINTER PARK, FL 32789
PH: (407) 644-6957 FX: (407) 644-2366

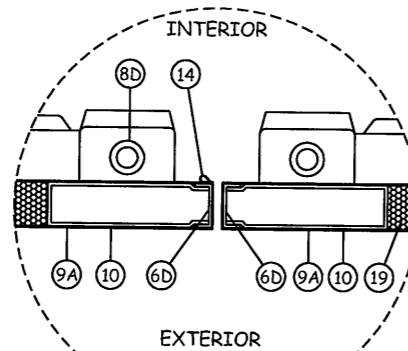
HERMES F. NORERO-P.E.
FLORIDA P.E. NO. 73378
127 W. FAIRBANKS AVE., STE. 438
WINTER PARK, FL 32789
FBI# CERT. OF AUTHORIZATION NO. 29578

PRODUCT REVISED
in compliance with the Florida
Building Code
Amendment No. 12-0104.14
Expiration Date AUG 11, 2014
By: [Signature]
Check Date: [Signature]

DATE: 8.17.10	DWN BY: JLA	CHK BY: HN	SCALE: NTS
DWG #: RDF006			
SHEET: 1 OF 9			

1 1/2" DL416 GLAZED STEEL
OUTSWING DOOR
SURFACE VERTICAL ROD
ELEVATIONS & DETAILS

PREPARED BY:
 BUILDING DROPS, INC.
127 W. FAIRBANKS AVE., STE. 438
WINTER PARK, FL 32789
PH: (407) 644-6957 FX: (407) 644-2366



DETAIL A




PRODUCT REVISED
 as complying with the Florida
 Building Code
 Acceptance No. 12-0604.14
 Expiration Date AB4 11/2014
Shag L. Hunt
 State of Florida Council

DATE: 8.17.10	DWN BY: JLA	CHK BY: HN	SCALE: NTS
DWG #: RDF006			
SHEET: 2 OF 9			

REVISIONS			
NO.	DESCRIPTION	BY	DATE
A	2010 FBC UPDATES	MS	03.28.12

REVISIONS

LE: DL416 GLAZED STEEL
OUTSWING DOOR
SURFACE VERTICAL ROD
ELEVATIONS & DETAILS

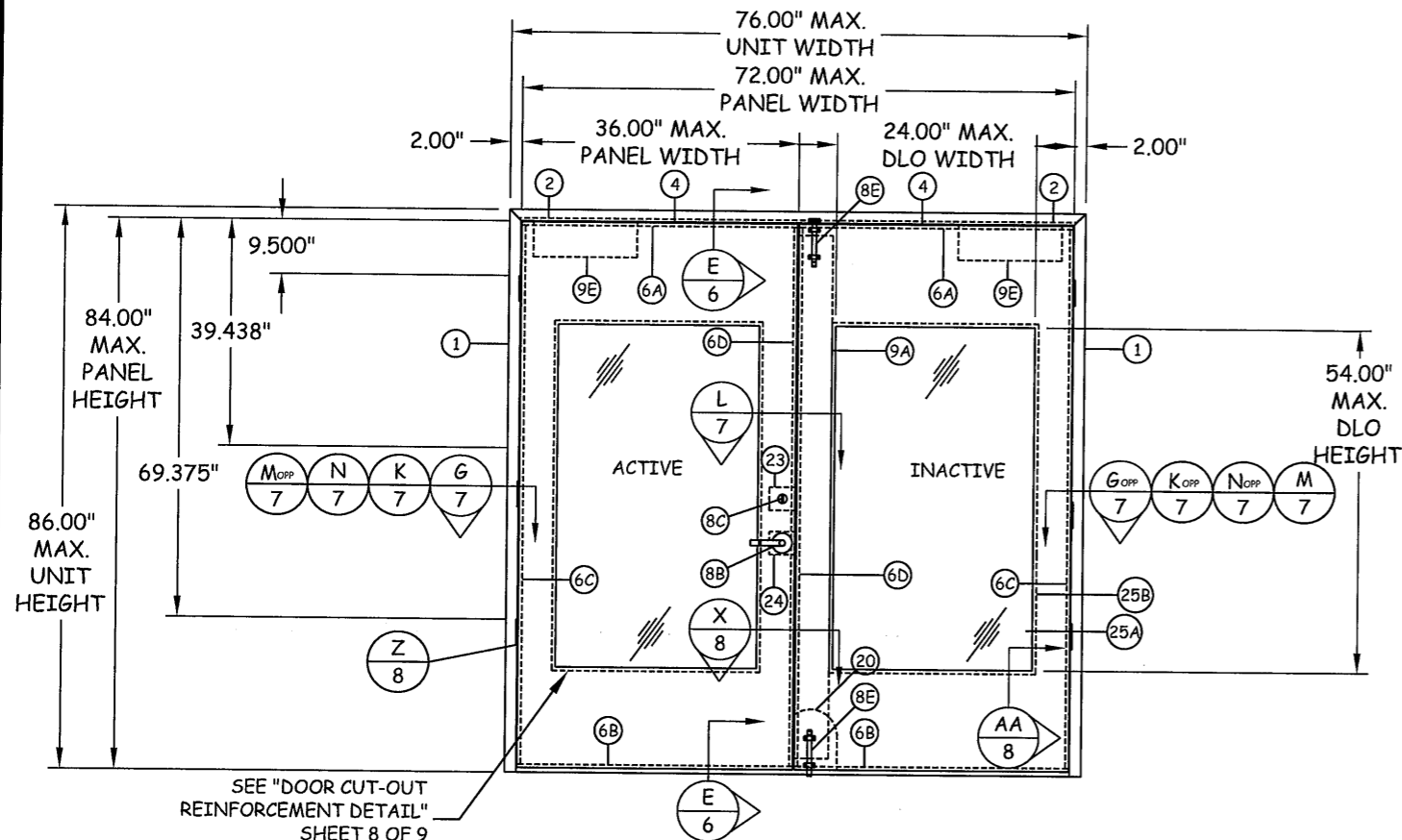
PREPARED BY:
 **BUILDING DROPS, INC.**
 127 W. FAIRBANKS AVE., STE. 438
 WINTER PARK, FL 32789
 PH: (407) 644-6957 FX: (407) 644-2366

21020276
HERMES F. NOREDA, P.E.
FLORIDA P. E. NO. 73778
127 W. FAIRBANKS AVE., STE. 438
WINTER PARK, FL 32789
BPE CERT. OF AUTHORIZATION NO. 295578

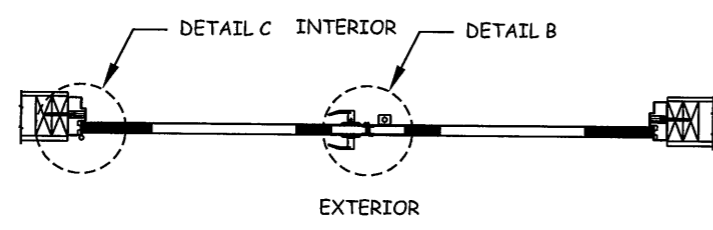
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DOWN BY:	JLA
CHK BY:	HN
SCALE:	NTS

DWG #: **RDF006**
SHEET: **2 OF 9**

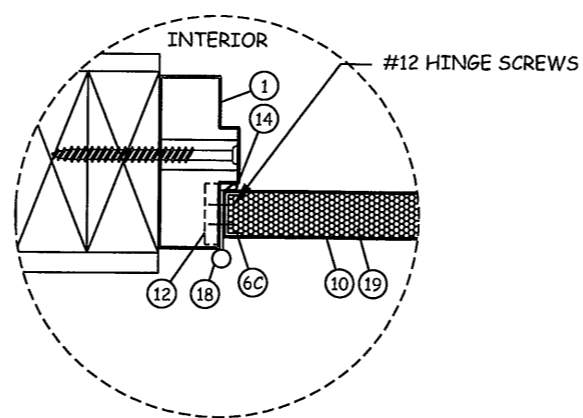
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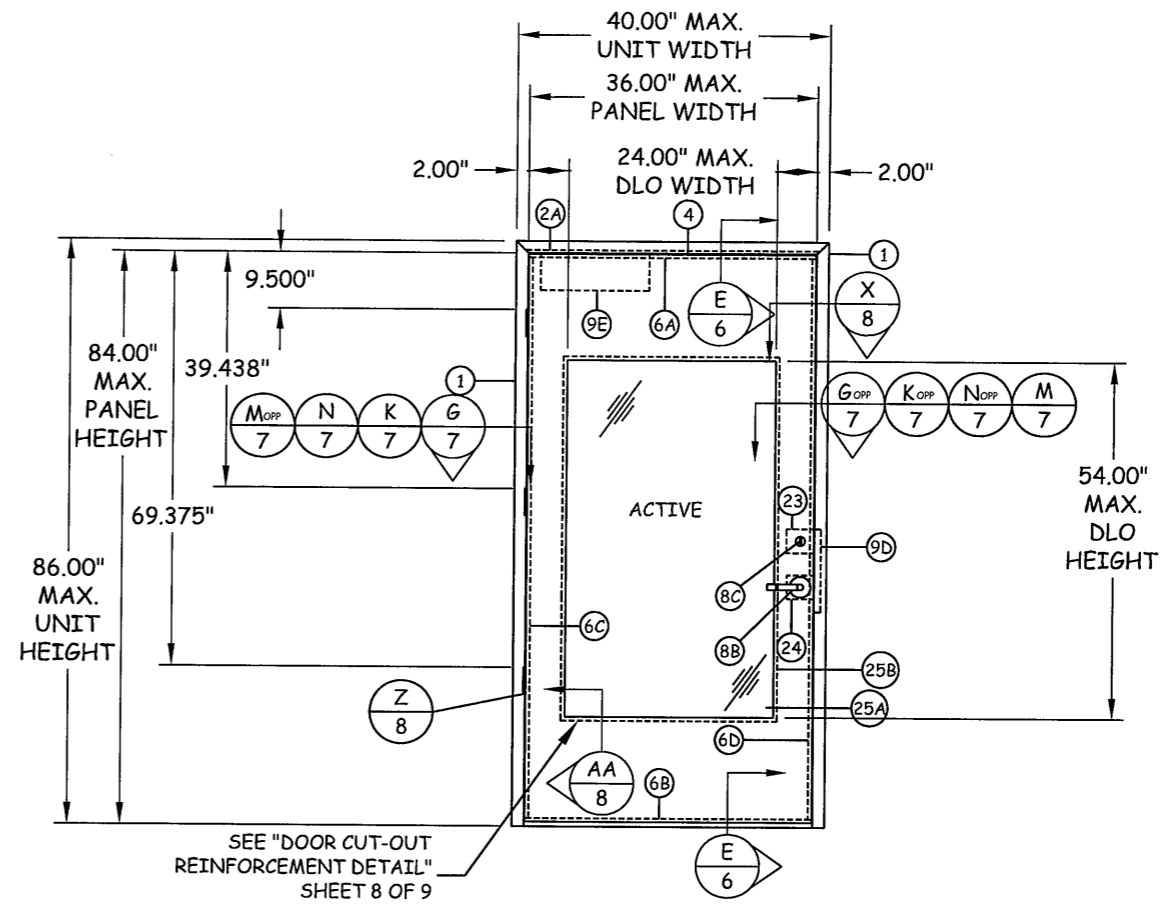
ELEVATION DOUBLE
CYLINDRICAL WITH DEADLOCK
(OUTSWING DOOR - INTERIOR VIEW)



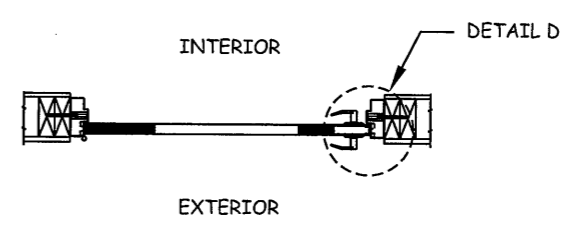
DETAIL B



DETAIL C
(SEE SHEET 7)



ELEVATION SINGLE
CYLINDRICAL WITH DEADLOCK
(OUTSWING DOOR - INTERIOR VIEW)



DETAIL D
(SEE SHEET 7)

PRODUCT REVISED
to comply with the Florida
Building Code.
Amendment No 12-0604-14
Expiration Date 3/1/14
By: [Signature]
Check Mark: [Signature]

Republic
doors • frames

155 REPUBLIC DRIVE
MCKENZIE, TN 38201
PH: (800) 799-3667 FX: (731) 352-2556

TITLE: DL416 GLAZED STEEL
OUTSWING DOOR
CYLINDRICAL W/ DEADLOCK
ELEVATIONS & DETAILS
PREPARED BY:
BUILDING DROPS, INC.
127 W. FAIRBANKS AVE., STE. 438
WINTER PARK, FL 32789
PH: (407) 644-6957 FX: (407) 644-2366

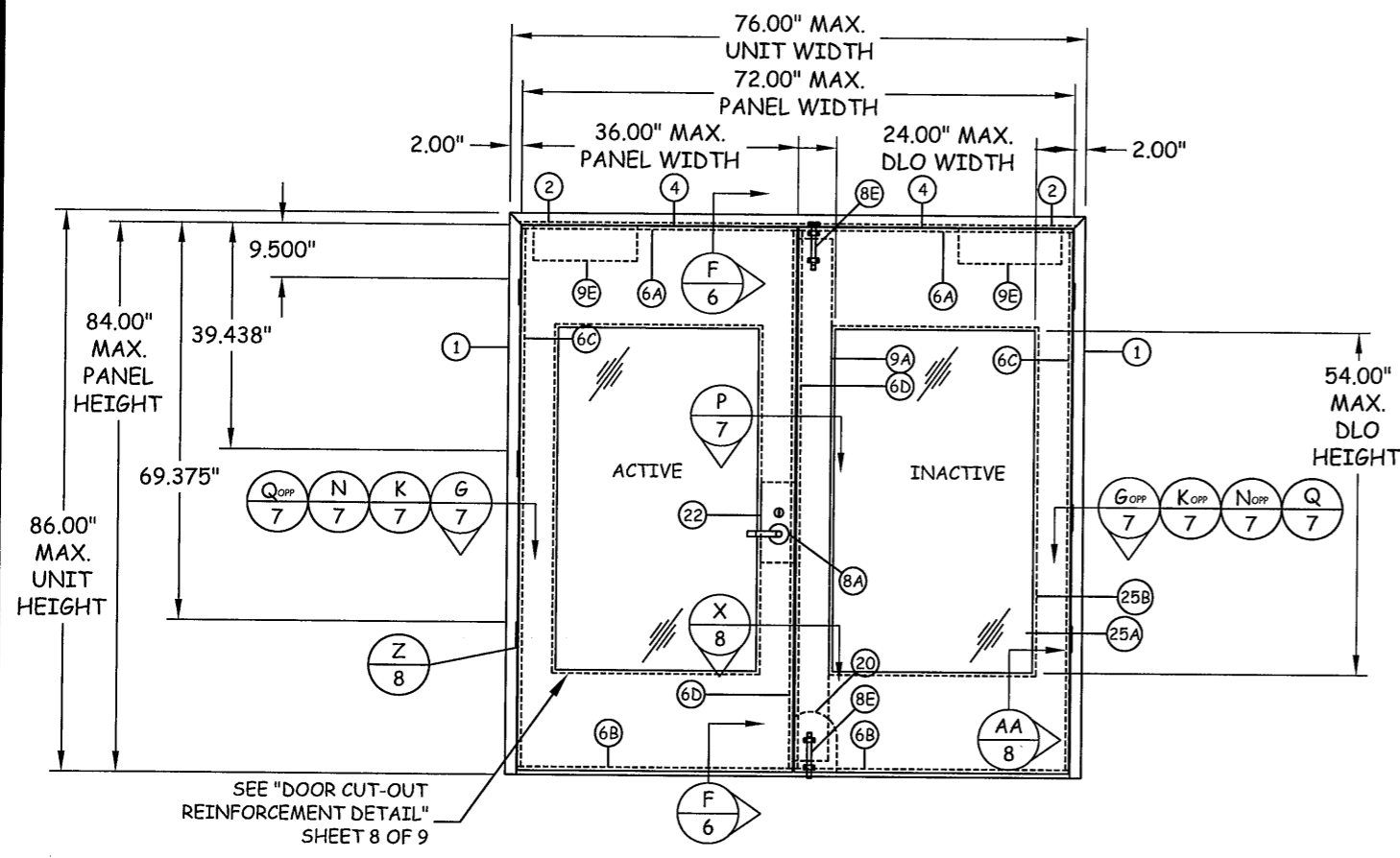
REVISIONS	
NO.	DESCRIPTION
A	2010 FBC UPDATES

DATE: 8.16.10
DWN BY: JLA
CHK BY: HN
SCALE: NTS

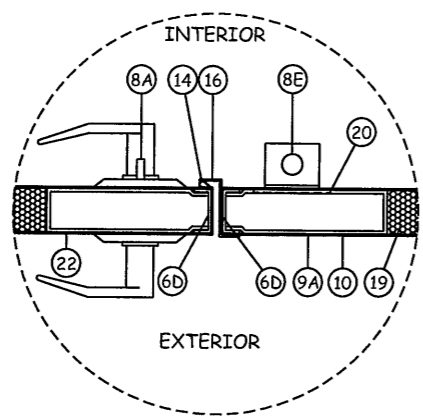
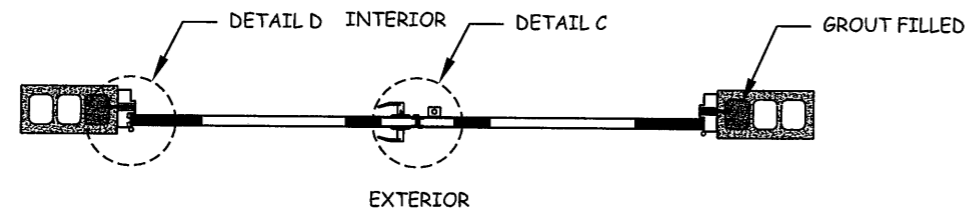
DWG #: **RDF006**
SHEET: **3 OF 9**

HERMES F. HOKERO, P.E.
FLORIDA P. E. NO. 73778
127 W. FAIRBANKS AVE., STE. 438
WINTER PARK, FL 32789
FBPE CERT. OF AUTHORIZATION NO. 29578

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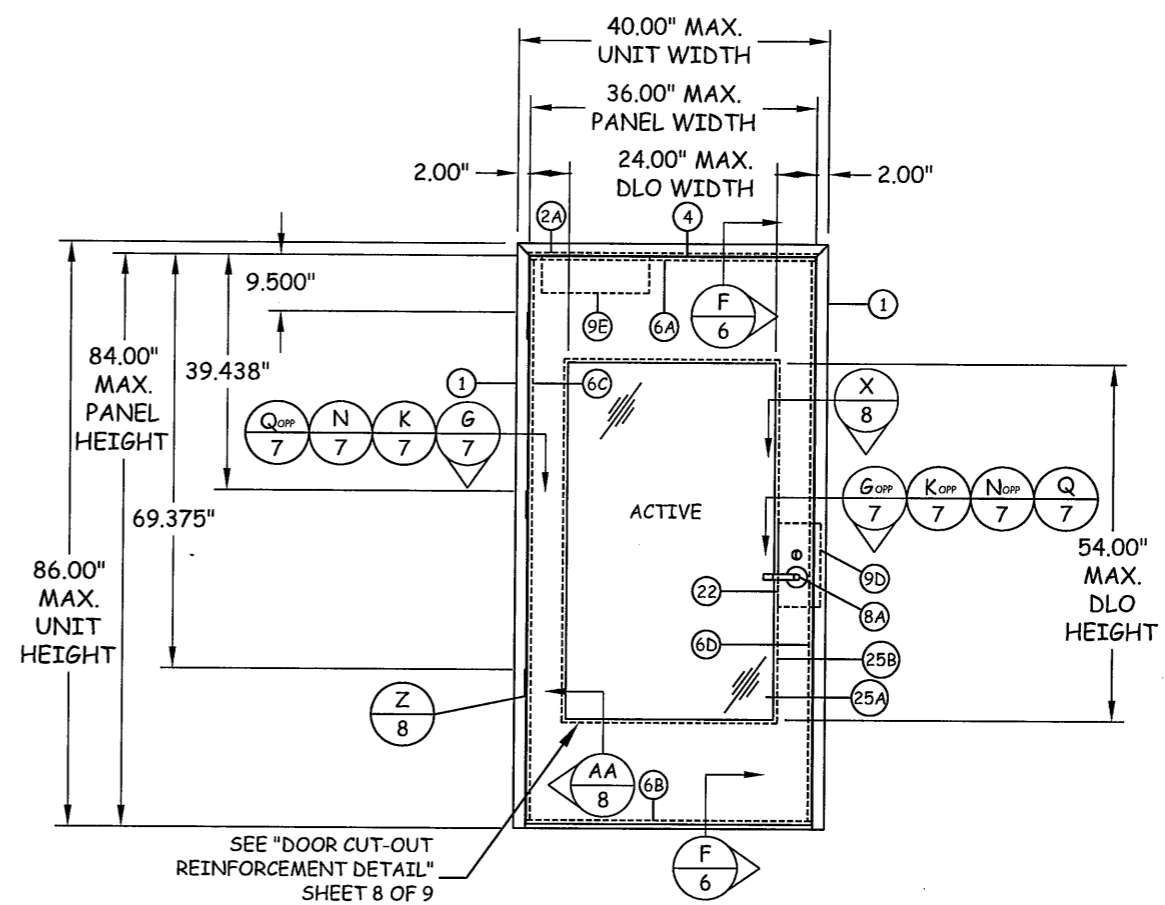


ELEVATION DOUBLE
MORTISE LOCK WITH DEADLOCK
(OUTSWING DOOR - INTERIOR VIEW)

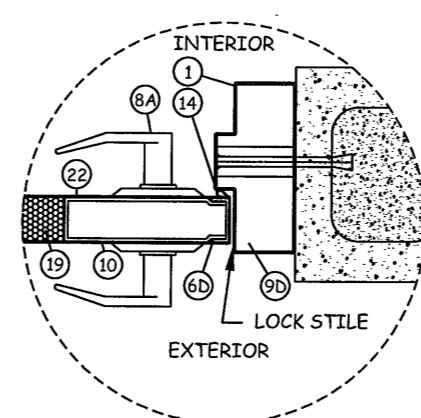
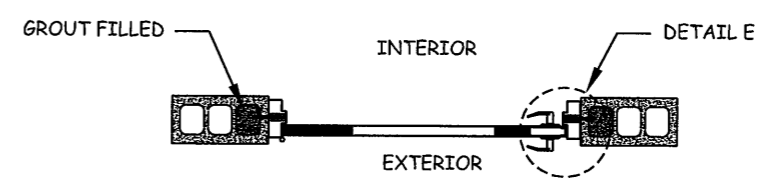


DETAIL C

DETAIL D
(SEE SHEET 7)



ELEVATION SINGLE
MORTISE LOCK WITH DEADLOCK
(OUTSWING DOOR - INTERIOR VIEW)



DETAIL E
(SEE SHEET 7)

PRODUCT REVIEWED
in compliance with the Florida
Building Code
Amendment No. 12-0604.14
Expiration Date 3/1/14
By: [Signature]
Check Mark: [Signature]

Republic
doors • frames

155 REPUBLIC DRIVE
MCKENZIE, TN 38201
PH: (800) 799-3667 FX: (731) 352-2556

TITLE: DL416 GLAZED STEEL
OUTSWING DOOR
MORTISE LOCK
ELEVATIONS & DETAILS

PREPARED BY:
BUILDING DROPS, INC.
127 W. FAIRBANKS AVE., STE. 438
WINTER PARK, FL 32789
PH: (407) 644-6957 FX: (407) 644-2366

NO.	DESCRIPTION	BY	DATE
A	2010 FBC UPDATES	MS	03.28.12

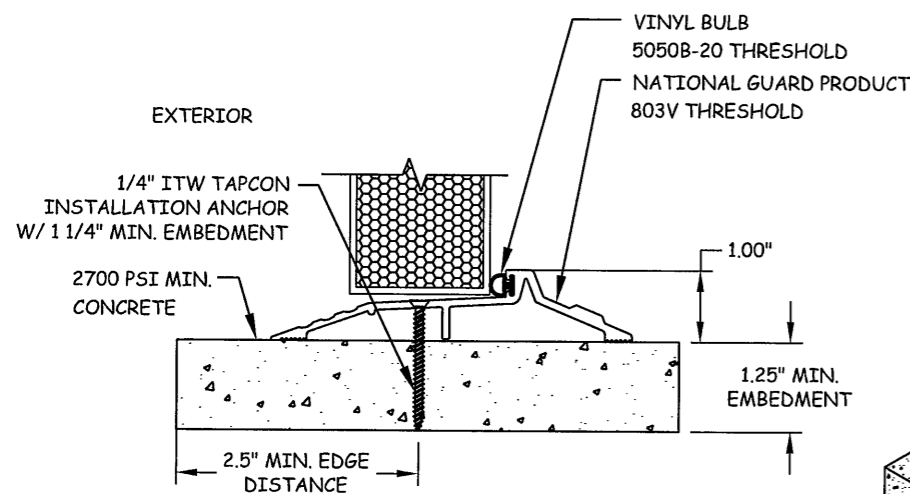
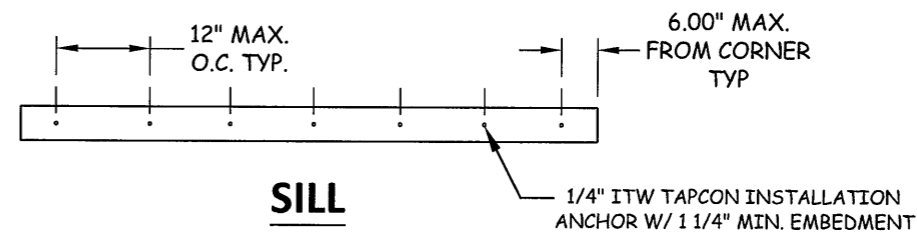
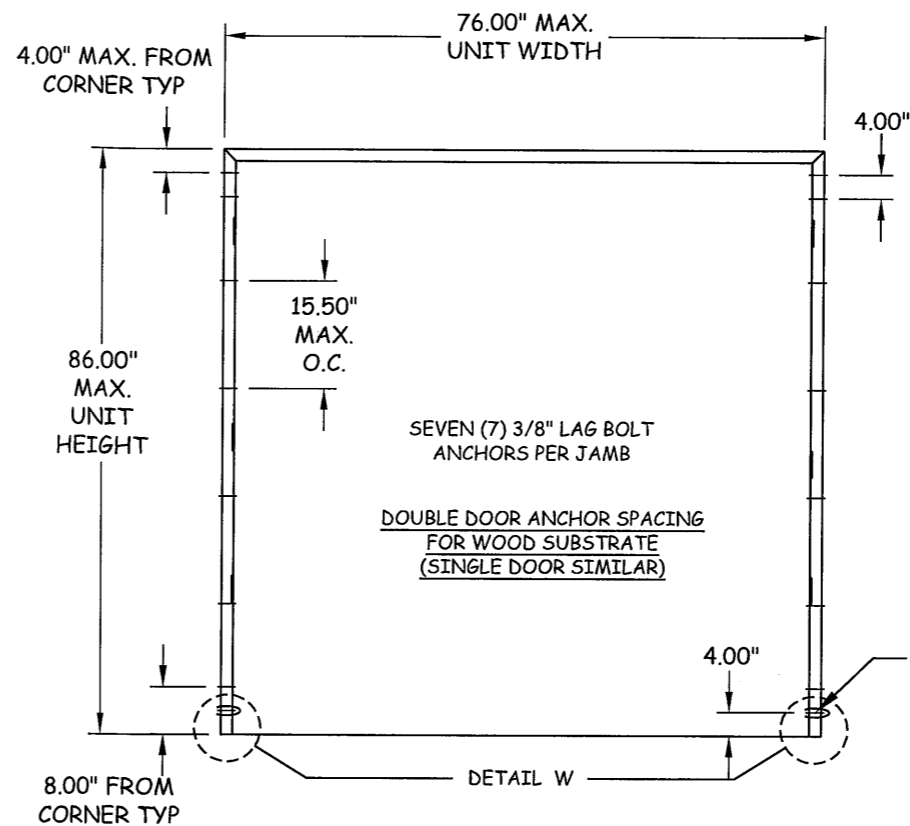
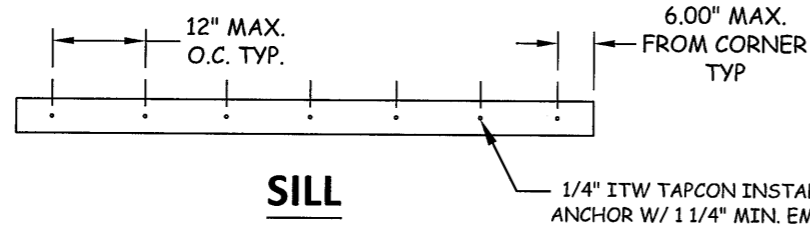
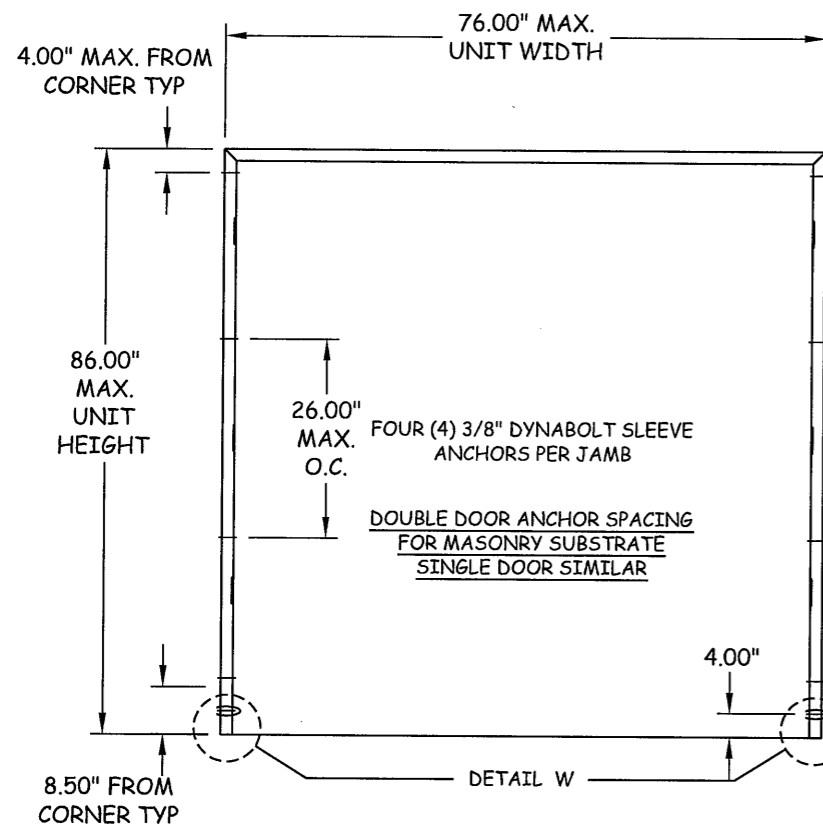
HERMES F. MORENO, P.E.
FLORIDA P.E. NO. 3778
127 W. FAIRBANKS AVE., STE. 438
WINTER PARK, FL 32789
FBCPE CERT. OF AUTHORIZATION NO. 29578

DATE: 8.17.10
DWN BY: JLA
CHK BY: HN
SCALE: NTS

DWG #:
RDF006

SHEET: 4 OF 9

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THRESHOLD DETAIL (SILL)

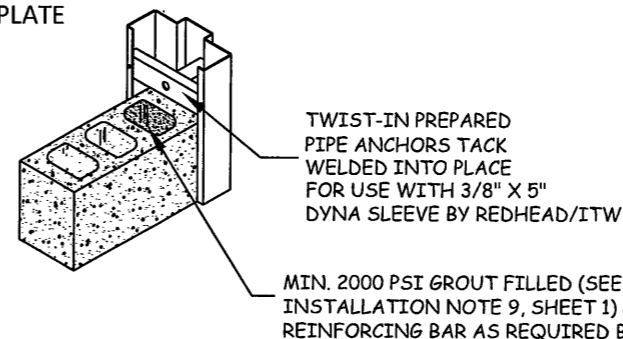
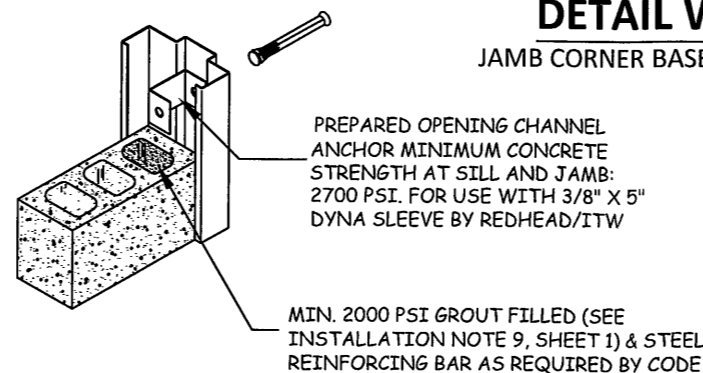
TWO (2) 3/16" ITW TAPCONS WITH A 1 1/4" EMBEDMENT (2.25" MAX. O.C.)

NOTE: JAMB CORNER BASE PLATE IS ONLY USED FOR NEW CONSTRUCTION AND IS NOT POSSIBLE FOR EXISTING CONSTRUCTION. IN LIEU OF BASE PLATE ANCHORS, ADD ONE (1) ADDITIONAL 3/8" DYNABOLT SLEEVE ANCHOR INTO MASONRY OR 3/8" LAG BOLT INTO WOOD SUBSTRATE ON JAMBS FOR EXISTING CONSTRUCTION.

WELDED-ON BASE ANCHOR

2.25" MAX.

DETAIL W
JAMB CORNER BASE PLATE



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155 REPUBLIC DRIVE
MCKENZIE, TN 38201
PH: (800) 799-3667 FX: (731) 352-2556

TITLE: DL416 GLAZED STEEL
OUTSWING DOOR
ANCHOR LAYOUT

PREPARED BY:
BUILDING DROPS, INC.
127 W. FAIRBANKS AVE., STE. 438
WINTER PARK, FL 32789
PH: (407) 644-6957 FX: (407) 644-2366

REVISIONS

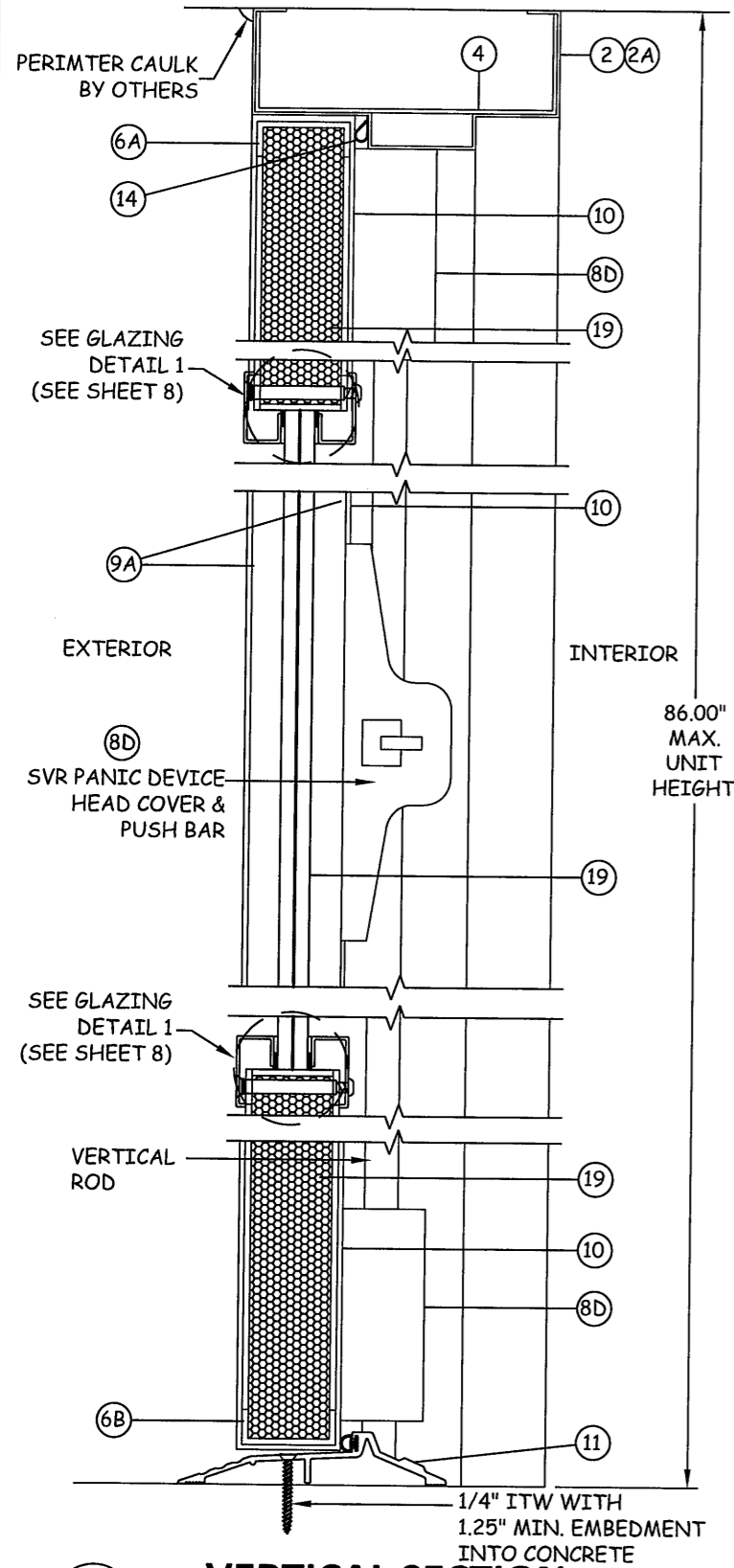
NO.	DESCRIPTION	BY	DATE
A	2010 FBC UPDATES	MS	03.28.12

HERMES F. NOBREGA, P.E.
FLORIDA P. E. NO. 33778
127 W. FAIRBANKS AVE., STE. 438
WINTER PARK, FL 32789
FBPE CERT. OF AUTHORIZATION NO. 295978

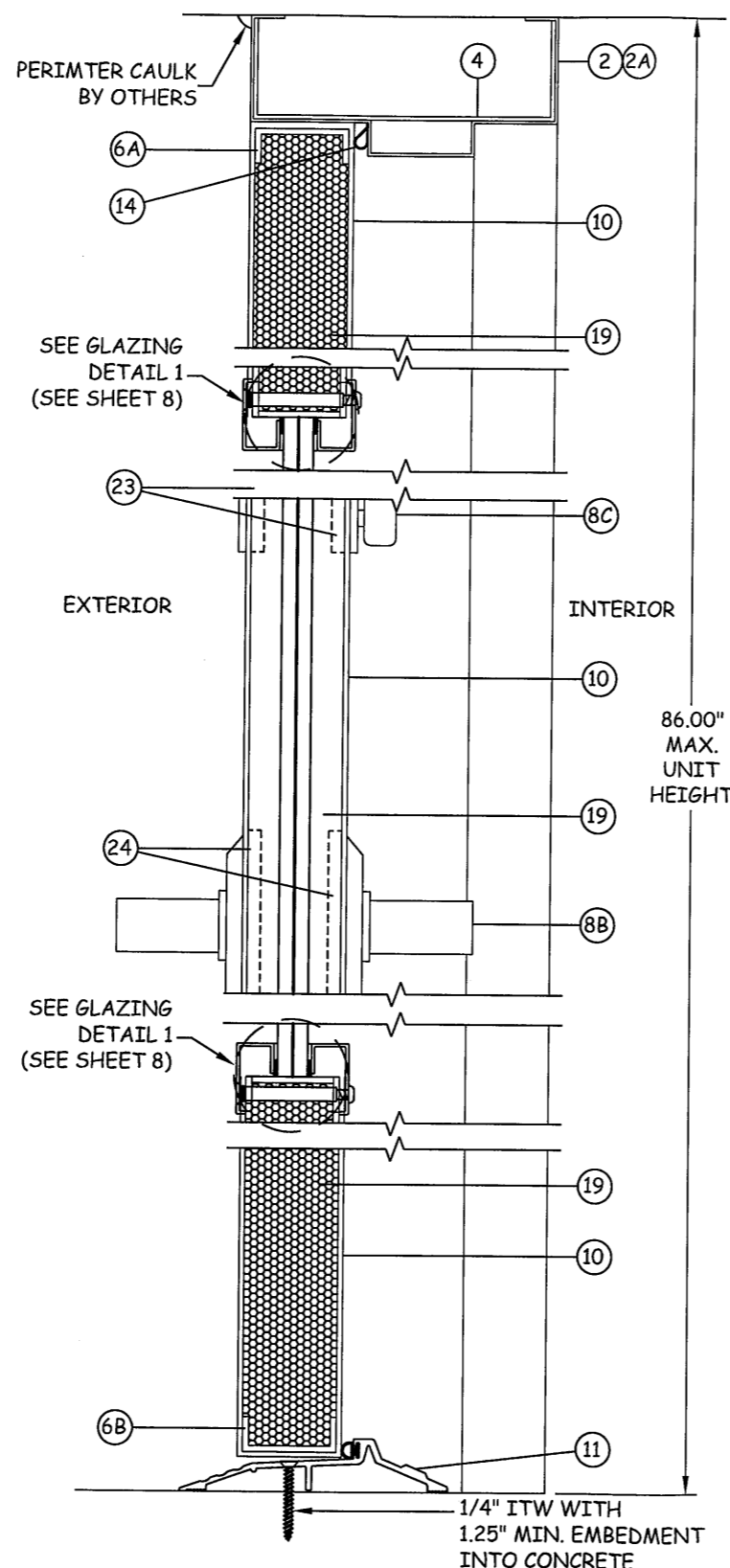
PRODUCT REVISED
as complying with the Florida
Building Code
Amendment No. 12-06/04/14
Expiration Date 8/1/14
1/1/14

DATE: 8.17.10
DWN BY: JLA
CHK BY: HN
SCALE: NTS

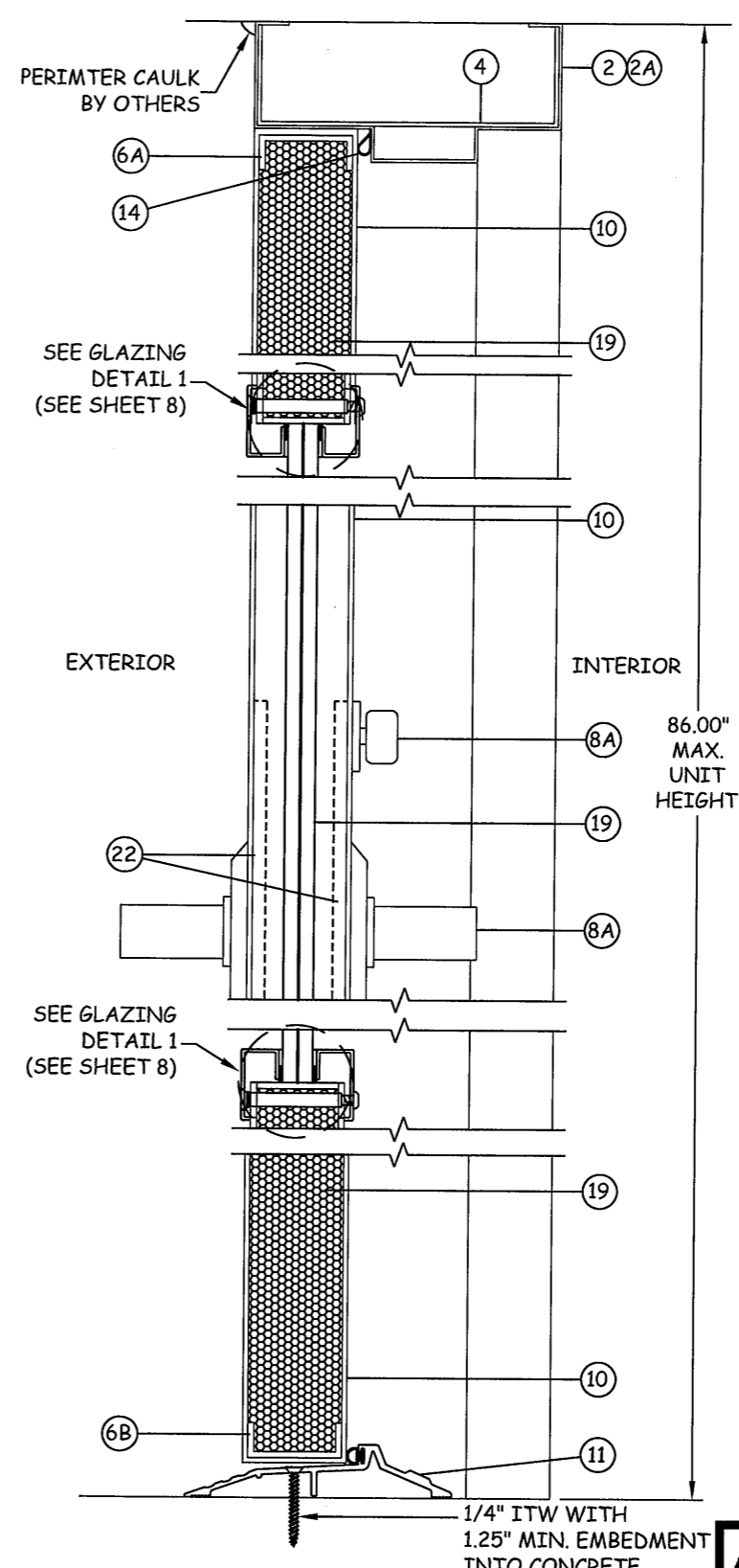
DWG #: **RDF006**
SHEET: **5 OF 9**



D6 VERTICAL SECTION
DORMA SURFACE VERTICAL ROD W/ PANIC EXIT



E6 VERTICAL SECTION
CYLINDRICAL LOCK WITH DEADLOCK



F6 VERTICAL SECTION
MORTISE LOCK WITH DEADLOCK

PRODUCT REVISED
in compliance with the Florida
Building Code
Amendment No. 12-0604.14
Expiration Date 8/11/14
Isaac J. L. L...
Florida State Professional Engineer

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155 REPUBLIC DRIVE
MCKENZIE, TN 38201
PH: (800) 799-3667 FX: (731) 352-2556

TITLE: DL416 GLAZED STEEL
OUTSWING DOOR
VERTICAL SECTIONS
PREPARED BY:
BUILDING DROPS, INC.
127 W. FAIRBANKS AVE., STE. 438
WINTER PARK, FL 32789
PH: (407) 644-6957 FX: (407) 644-2366

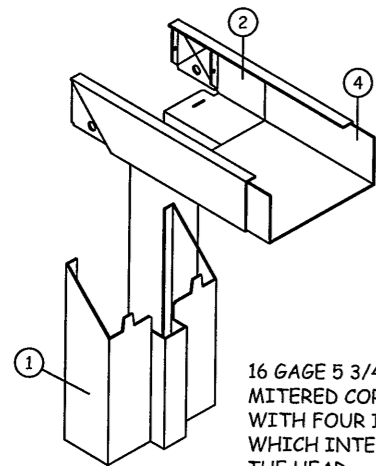
REVISIONS		NO.	DESCRIPTION	BY	DATE
		A	2010 FBC UPDATES	MS	03.28.12

HERMES F. NORERO, P.E.
FLORIDA P.E. NO. 73778
127 W. FAIRBANKS AVE., STE. 438
WINTER PARK, FL 32789
FBCPE CERT. OF AUTHORIZATION NO. 28578
9-20-2012

DATE: 8.17.10	DWN BY: JLA	CHK BY: HN	SCALE: NTS
DWG #: RDF006			
SHEET: 6 OF 9			

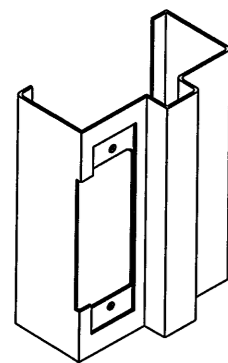


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16 GAGE 5 3/4" DEPTH FRAME WITH MITERED CORNER CONSTRUCTION WITH FOUR INTEGRAL TABS WHICH INTERLOCK THE JAMBS TO THE HEAD

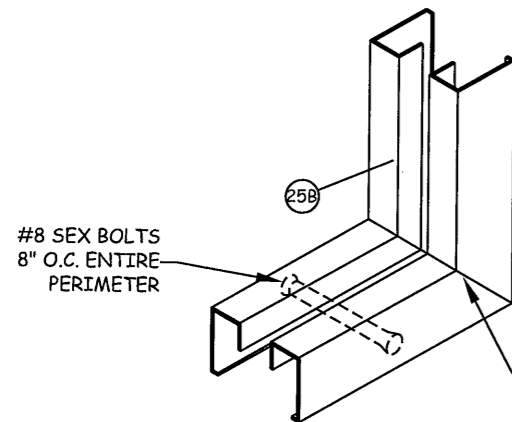
DETAIL Y



14 GAUGE STEEL REINFORCING PLATE AT LOCK STRIKE LOCATION

DETAIL X

LOCK REINFORCEMENT



DETAIL AA

LITE KIT CORNER CONSTRUCTION

GLASS KIT BY AIR LOUVERS
MODEL: VLF-IGHRC

EXTERIOR

0.75" GLASS BITE

O-RING
EPDM TAPE

3/8" O.A. LAMINATED GLASS
CONSISTING OF:
1/8" H.S. GLASS,
0.075" STORMGLASS INTERLAYER
BY OLD CASTLE,
1/8" H.S. GLASS

DOW 995 SILICONE

EPDM TAPE

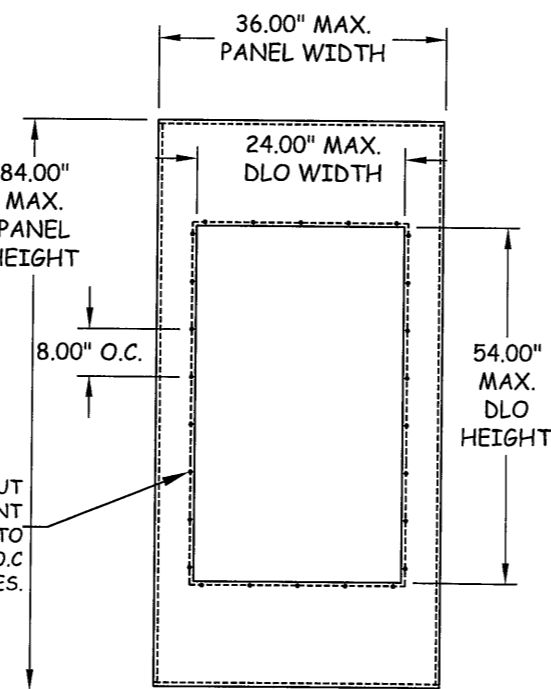
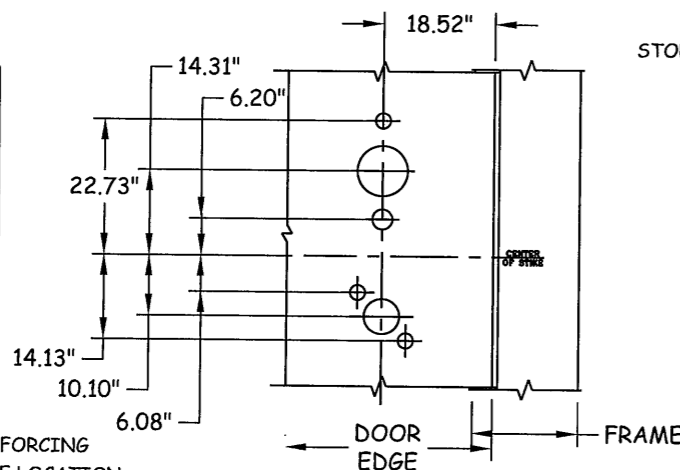
INTERIOR

DOOR CUT-OUT
12 GA. REINFORCEMENT
TACK WELDED TO
DOOR SKIN 8" O.C.

#8 SEX BOLTS
8" O.C. ENTIRE
PERIMETER

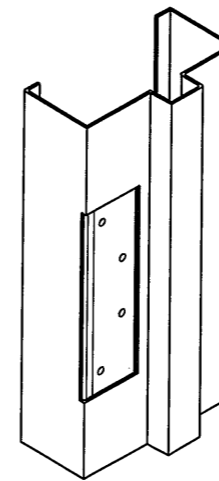
GLAZING DETAIL

STORMGLASS INTERLAYER PER CURRENT NOA

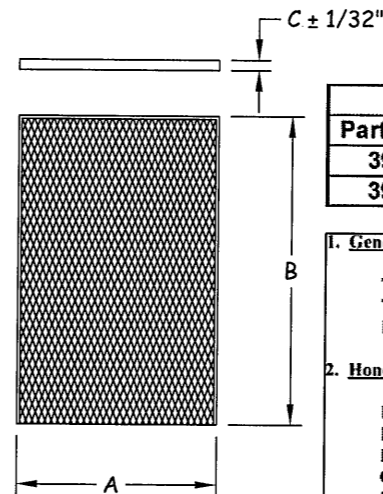


**DOOR CUT-OUT
REINFORCEMENT DETAIL**

12 GA. (0.101") 1.667" X 0.62" STEEL
CHANNEL WELDED TO DOOR SKIN
FULL PERIMETER



DETAIL Z
HINGE REINFORCEMENT



HONEYCOMB CORE			
Part Number	A	B	C
3993000	2'0 TO 2'6	CUT TO LENGTH	1.73
3993001	2'8 TO 3'0	CUT TO LENGTH	1.73

1. General

Type 99-0-3/4 Honecomb core is fabricated of Kraft paper and is bonded Together to form 3/4" wide hexagonal cells when expanded. Core is to be Non-impregnated, not expanded with cut edges, 1.730" ± .010 thick.

2. Honeycomb Core Data

Base Material, lbs./3000 sq. ft. sheet stock	99
Resin Content	0
Moisture Content	6-8%
Cell Size	3/4"
Density lbs./cubic ft. expanded	1.56
Crushing lbs./sq. in.	48

HONEYCOMB CORE

PRODUCT REVIEWED
as complying with the Florida
Building Code
Acceptance No. 12-0604.14
Expiration Date 3/1/14
by [Signature]
Special Note: Product Control

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155 REPUBLIC DRIVE
MCKENZIE, TN 38201
PH: (800) 799-3667 FX: (731) 352-2556

TITLE: DL416 GLAZED STEEL
OUTSWING DOOR
CORNER ASSEMBLY &
COMPONENTS
PREPARED BY:
BUILDING DROPS, INC.
127 W. FAIRBANKS AVE., STE. 438
WINTER PARK, FL 32789
PH: (407) 644-6957 FX: (407) 644-2366

REVISIONS

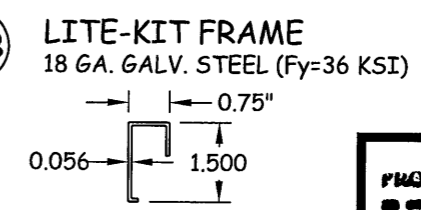
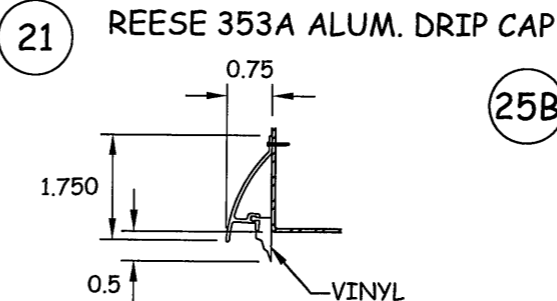
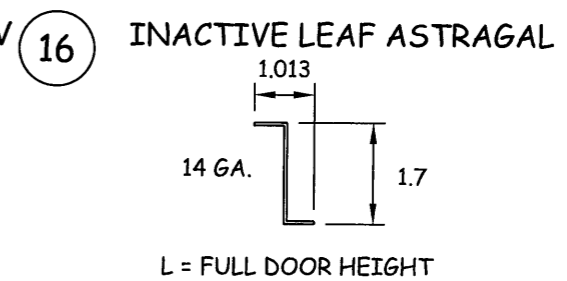
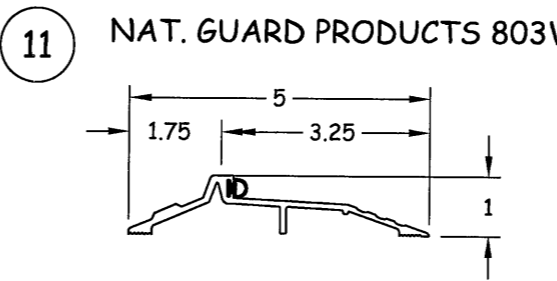
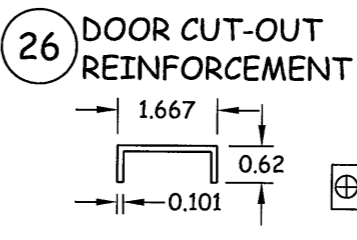
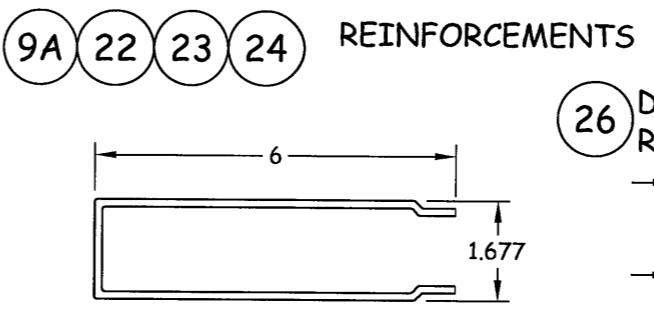
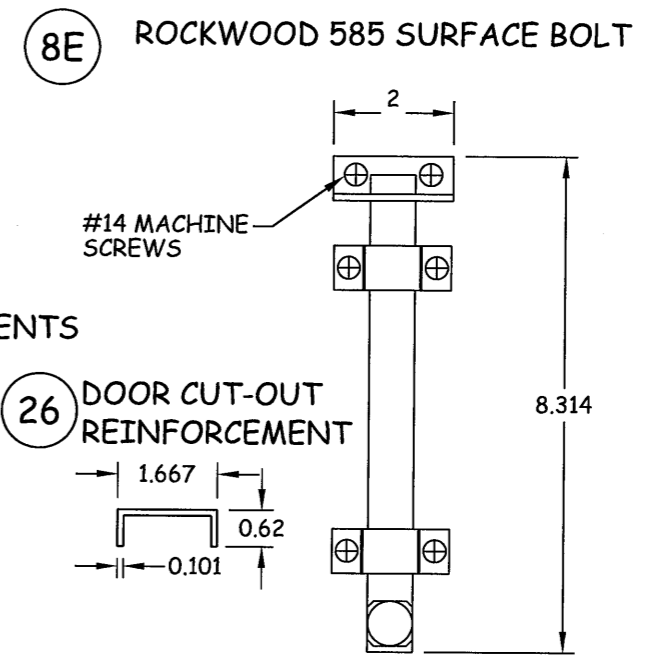
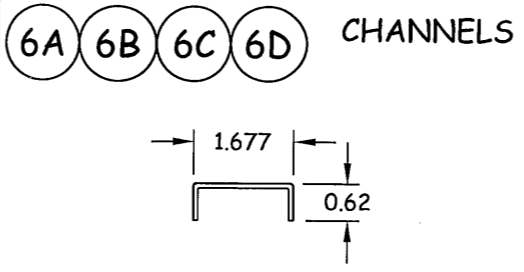
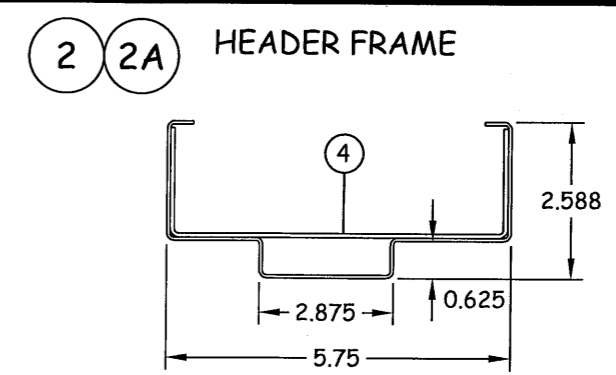
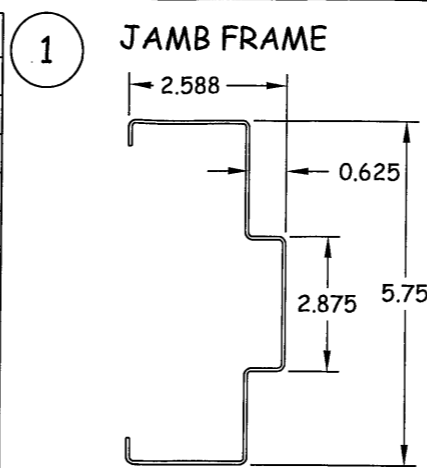
NO.	DESCRIPTION	BY	DATE
A	2010 FBC UPDATES	MS	03.28.12

[Signature]
HERMES F. MORENO, P.E.
FLORIDA P.E. NO. 73778-438
127 W. FAIRBANKS AVE., STE. 438
WINTER PARK, FL 32789
FOUR CERT. OF AUTHORIZATION NO. 29578

DATE: 8.17.10
DWG BY: JLA
CHK BY: HN
SCALE: NTS
DWG #: RDF006
SHEET: 8 OF 9

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BILL OF MATERIALS			
ITEM NO.	DESCRIPTION	MATERIAL	MANUFACTURER
1	96" X 5.75" DOUBLE SWING JAMB PAIR OR SINGLE JAMB	0.053" STEEL	REPUBLIC DOOR & FRAMES
2	96" X 5.75" FACE DOUBLE OPENING HEADER	0.053" STEEL	REPUBLIC DOOR & FRAMES
2A	52" X 5.75" SINGLE DOOR HEADER	0.053" STEEL	REPUBLIC DOOR & FRAMES
3	HINGE REINFORCING FRAME	0.132" STEEL	REPUBLIC DOOR & FRAMES
4	HEADER SLEEVE REINFORCEMENT 14 GA. (.067") X 5.6875" X FULL LENGTH HEADER	0.067" STEEL	REPUBLIC DOOR & FRAMES
5	BASE ANCHOR 1.875" X 1.875"	0.053" STEEL	REPUBLIC DOOR & FRAMES
6A	TOP CHANNELS 16 GA. X 1.677" X 0.62" CHANNEL FULL LENGTH DOOR PANEL WIDTH	0.053" STEEL	REPUBLIC DOOR & FRAMES
6B	BOTTOM CHANNELS 16 GA. X 1.677" X 0.62" CHANNEL FULL LENGTH OF DOOR PANEL WIDTH	0.053" STEEL	REPUBLIC DOOR & FRAMES
6C	HINGE CHANNELS 16 GA. X 1.677" X 0.62" CHANNEL FULL DOOR HEIGHT	0.053" STEEL	REPUBLIC DOOR & FRAMES
6D	LOCK CHANNELS 16 GA. X 1.677" X 0.62" CHANNEL FULL DOOR HEIGHT	0.053" STEEL	REPUBLIC DOOR & FRAMES
7C	AIR FILTRATION WEATHERSTRIP	0.053" STEEL	
8A	DORMA ML9953D MORTISE LOCK W/ DEADBOLT	STEEL	DORMA
8B	DORMA CL853 STANDARD LATCH	STEEL	DORMA
8C	DORMA DB660D DEADLOCK	STEEL	DORMA
8D	DORMA 9400 SURFACE VERTICAL ROD W/ PANIC DEVICE	STEEL	DORMA
8E	ROCKWOOD 585 SURFACE BOLTS	STEEL	ROCKWOOD
9A	CONTINUOUS HARDWARE REINF. 12 GA. (0.101") 1.677" X 6" X (DOOR HEIGHT - 11")	0.101" STEEL	REPUBLIC DOOR & FRAMES
9B	EXIT DEVICE REINFORCEMENT 14 GA. (0.067") 1.677" X 5.313" X 14"	0.067" STEEL	REPUBLIC DOOR & FRAMES
9D	CH LOCK REINFORCEMENT 16 GA. X 1.677" X 0.62" X 1.677" CHANNEL FULL DOOR HEIGHT	0.053" STEEL	REPUBLIC DOOR & FRAMES
9E	CLOSER REINFORCEMENT 12 GA. (0.1001") X 1.677" X 6" X 18"	0.101" STEEL	REPUBLIC DOOR & FRAMES
10	DOOR SKINS FY=50.09 KSI MIN.	0.053" STEEL	REPUBLIC DOOR & FRAMES
11	NATIONAL GUARD PRODUCTS 803V	ALUMINUM	NATIONAL GUARD PRODUCTS
12	DOOR HINGE REINFORCEMENT 9 GA. (0.132") X 7.5" X 1.625"	0.132" STEEL	REPUBLIC DOOR & FRAMES
13	ANCHORS (SEE SHEET 5) 3/8" LAG BOLT, 3/8" DYNABOLT ITW/RED HEAD, & 1/4" ITW (SILL ONLY)	VARIES	ITW / RED HEAD
14	NATIONAL GUARD PROD. 5050B-20	VINYL BULB	NATIONAL GUARD PRODUCTS
15	ALL PURPOSE SILICONE CAULK	SILICONE	
16	INACTIVE LEAF ASTRAGAL 14 GA. (0.067") X 1.7" X FULL DOOR HEIGHT	0.067" STEEL	REPUBLIC DOOR & FRAMES
17	CUT OUT REINFORCEMENT	0.053" STEEL	REPUBLIC DOOR & FRAMES
18	PBB - STANDARD WT. 4 1/2" X 4 1/2" X .134" THICK HINGES	0.053" STEEL	PBB
19	HONEYCOMB CORE TYPE 99-0-3/4	KRAFT PAPER	REPUBLIC DOOR & FRAMES
20	SURFACE BOLT ANGLE REINFORCEMENT 7 GAUGE X 0.175" X 1.5" X 1.5"	0.132" STEEL	
21	REESE 353A ALUMINUM DRIP CAP	ALLOY 6063-T5	
22	MORTISE LOCK REINFORCEMENT 14 GAUGE X 1.677" X 5.313" X 14"	0.067" STEEL	REPUBLIC DOOR & FRAMES
23	DEAD LOCK REINFORCEMENT 16 GAUGE X 3" X 3"	0.053" STEEL	REPUBLIC DOOR & FRAMES
24	CYLINDRICAL LOCK REINFORCEMENT 16 GAUGE X 3" X 2.5"	0.053" STEEL	REPUBLIC DOOR & FRAMES
25A	3/8" STORMGLASS	GLASS	OLD CASTLE GLASS
25B	AIR LOUVERS VLF-IGHRC	GLASS KIT	REPUBLIC DOOR & FRAMES
26	DOOR CUT-OUT REINFORCEMENT	0.101" STEEL	REPUBLIC DOOR & FRAMES



REESE 353A ALUMINUM DRIP CAP WITH VINYL FLAP AT HEADER (ALLOY 6063-T5)

NOTE: ALL DIMENSIONS SHOWN ARE IN INCHES.

PRODUCT REVIEWED
in compliance with the Florida
Building Code
Acceptance No. 12-0604.14
Expiration Date 9/11/14
By: [Signature]
Initial Date: [Signature]

Republic
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155 REPUBLIC DRIVE
MCKENZIE, TN 38201
PH: (800) 799-3667 FX: (731) 352-2556

TITLE: DL416 GLAZED STEEL
OUTSWING DOOR
BILL OF MATERIALS &
COMPONENTS

PREPARED BY:
BUILDING DROPS, INC.
127 W. FAIRBANKS AVE., STE. 438
WINTER PARK, FL 32789
PH: (407) 644-6957 FX: (407) 644-2366

NO.	DESCRIPTION	BY	DATE
A	2010 FBC UPDATES	MS	03.28.12

9-20-2012
HERNAN F. NORESCO, P.E.
FLORIDA P. E. NO. 73779
127 W. FAIRBANKS AVE., STE. 438
WINTER PARK, FL 32789
FBPE CERT. OF AUTHORIZATION NO. 28578

DATE: 8.17.10
DWN BY: JLA
CHK BY: HN
SCALE: NTS

DWG #: **RDF006**
SHEET: **9 OF 9**